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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Amit Sarkar

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Amit Sarkar
162 Baraud Road
Scarsdale, NY 10583

EXAMINER

BARQADLE, YASIN M

ART UNIT

PAPER NUMBER

2153

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/715,090	Applicant(s) SARKAR, AMIT	
	Examiner YASIN M. BARQADLE	Art Unit 2153	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 April 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 26-48 is/are pending in the application.
- 4a) Of the above claim(s) 1-25 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 26-48 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on April 30, 2008 has been entered.

Response to Amendment

2. The amendment filed on April 30, 2008 has been fully considered but are not persuasive.

Applicant's arguments are moot in view of the rejection below. Examiner maintains Boals or/and Boals in view of Dowling teach the argued limitations as shown in the detailed office action.

- Claims 26-48 are presented for examination.

Claim Rejections - 35 USC § 102

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 26-30, 32-41,43,45,and 46-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Boals et al U.S. Patent Number (6108727), herein “Boals”.

As per claim 26, Boals (6108727) teaches a system for remote input/output for a processing unit, comprising: a primary processing unit (host computer 101, fig. 1) for processing data and handling a plurality of system resources including software and services (“The wireless interface device 100 is thus able to control and access various programs such as Windows and Windows application programs and files residing at the host computer 101 and display the results in its display 113.” Col. 6, lines 38-54); a mobile input/output terminal for the primary processing unit, wherein said mobile input/output terminal enables a user to control the primary processing unit for all data processing and storage using said plurality of system resources (col. 5, lines 45-62); and transceiver means on the mobile input/output terminal for transmitting

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and receiving input/output signals to and from the primary processing unit over a communication network (col. 5, lines 45-62).

As per claim 27, Boals teaches the system of claims 26, wherein the communication network is one of a wireless carrier network, a wireless local area network, a Wi-Fi connection, a Wi-Max connection, and a publicly available "hotspot" (wireless network fig. 1 and col. 5, lines 45-50 see 802.11 Wi-Fi standard).

As per claim 28, Boals teaches system of claims 26, wherein wherein the communication network is one of land line based broadband from an Internet service provider and a local area network .providing Internet service via land line. (col. 6, lines 3-21).

As per claim 29, Boals teaches system of claims 26, wherein the input/output terminal comprises a monitor having a touch sensitive screen (col. 5, line 31-43 GUI with touch sensitive is provided).

As per claim 30, Boals teaches system of claims 26, wherein the input/output terminal comprises a monitor and a keyboard and a pointing device (see fig. 1, items 110, 113 col. 5, line 31-43).

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As per claim 32, Boals teaches system of claims 26, wherein the input/output terminal, wherein the mobile input/output terminal is integrated to a laptop personal computer, and is accessed as an independent software application (device 100, fig. 4).

As per claim 33, Boals teaches the method of claim 26 wherein the information signals transmitted to the primary processing unit from the I/O terminal are unprocessed signals (col. 5, line 31-43 and col. 7 lines 40-55).

As per claim 34, Boals teaches the method of claim, wherein the primary processing unit is one of a personal computer and a server col. 5, lines 45-50. device 100).

As per claim 36, Boals teaches the method of claim 26, wherein the primary processing unit is networked with a plurality of personal computers and servers in one of a local area network configuration and a wide area network configuration col. 5, lines 45-50).

As per claim 37, Boals teaches the method of claim 26, wherein the primary processing unit runs one of a Windows operating system, a Mac

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operating system, a Unix operating system, and a Linux operating system (fig. 8, 272-and 270).

As per claim 37-39, Claim 37 Boals teaches said multi-server system, a remote data center, in addition to applications and data locally residing in hard disk, wherein the primary processing unit maintains uninterrupted connection to a server providing Internet service (see fig. 67-70).

As per claim 40, Boals teaches the system of claim 26, primary processing unit is networked with one or more share peripherals (col. 8, line 31-38).

As per claim 48, Boals teaches a method with similar limitations as the system of claim 26, including rendering audio-visual display at the mobile input/output terminal as a screen flashes using said audio-visual output signals (the results of processed information is displayed on display 113 Col. 6, lines 38-54) and translating the processed data into audio-visual output signals at the primary processing unit; (col. 12, lines 39-54 and col. 13, lines 25-32. See fig. 8, 278).

Claim Rejections - 35 USC § 103

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 31,43,45 and 46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Boals U.S. Patent Number (6108727) in view of Dowling et al. US Patent Number 20030050019 (hereinafter "Dowling").

As per Claim 31, although Boals shows substantial features of the claimed invention including using wireless network such 802.11 (WI-FI standard), Boals does not explicitly show where the input/output terminal is integrated to and is part of one of a cell phone and a personal digital assistant.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the system disclosed by Boals, as evidenced by Dowling USPN. (20030050019).

In analogous art, Dowling whose invention relates to the field of mobile communication systems using a cellular network connection (col. 1, lines 9-12), discloses a cell phone/PDA (fig. 3, handheld device 300 ¶ 0041).

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Giving the teaching of Dowling, a person of ordinary skill in the art would have readily recognized the desirability and the advantage of modifying Boals by combining the cellular network system of Dowling in order to utilize the cell phone/PDA in conjunction with the(3G) wireless cellular networks for the benefit of attaining both voice and data connectivity while being mobile.

As per claim 43, Dowling teaches the system of claim 26, wherein the connection between the processing unit and the mobile input/output terminal is routed through the Internet (paragraph 0039 and 0053).

As per claim 45, Dowling teaches the system of claim 26, wherein the mobile input/output terminal comprises a microprocessor specifically designed and configured to exclusively drive input and output peripherals of the mobile input/output terminal and one of wireless connectivity and landline connectivity (paragraph 0039 and 0053).

As per claim 46, Dowling teaches the system of claim 26, wherein the mobile input/output terminal comprises multiple form factors based on user preference and custom configuration including detachability of peripherals. (¶ 0028 and 0030 ¶ 0051).

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Claims 42 and 44 are rejected under 35 U.S.C. 103(a) as being unpatentable in view of Boals U.S. Patent Number (6108727)

As per claims 42 and 44, Although Boals shows substantial features of the claimed invention as explained above, Boals does not explicitly show a VPN network configured with security using point-to-point leased private lines and propriety connectivity software of a wireless network.

Nonetheless, these features are well known in the art and would have been an obvious modification of the system disclosed by Boals. The examiner takes an official notice that a VPN network configured with security using point-to-point leased private lines capable of using propriety connectivity software of a wireless network is well known in the art. One ordinary skill in the art would use such features so that mobile clients would access their private network remotely using a VPN tunnel through the public network in a secure manner.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yasin

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Barqadle whose telephone number is 571-272-3947. The examiner can normally be reached on 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Burgess can be reached on 571-272-3949. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and 703-746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either private PAIR or public PAIR system. Status information for unpublished applications is available through private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Yasin M Barqadle/

Primary Examiner, Art Unit 2153